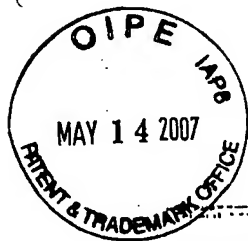


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PATENT ABSTRACTS OF JAPAN

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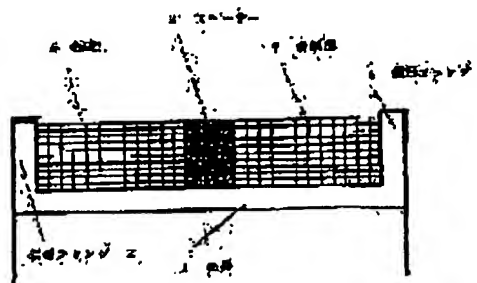
(21) Application number : 04-120157 (71) Applicant : SUMITOMO HEAVY IND LTD
(22) Date of filing : 14.04.1992 (72) Inventor : SAKURABA JUNJI

(54) SPLIT TYPE SUPERCONDUCTING COIL

(57) Abstract:

PURPOSE: To simplify a winding operation by a method wherein, using a bobbin which is formed by integrating an end-part flange, a gap part is secured through a spacer, and each winding part is provided while a wire is continuously wound on the whole part of the bobbin.

CONSTITUTION: A coil spool 1 has integrated terminal flanges 2 and 4, and a spacer, whose inside and outside diameters are equal to the inside and outside diameters of the prescribed winding layer respectively, is used. A slit, having a width equal to that of a wire is provided on a part of the spacer. Wiring parts 6 and 7 are formed by conducting a wiring operation in which the wire is wound through a spacer 3 while a gap part is being secured. The winding is conducted in such a manner that the wire is raised at the end part flange 2 to the next layer, and it is wound toward the other end part flange 4. A spacer 3 is placed in the center of the spool, and the wire is wound through the slit of the spacer. In the coil of the above-mentioned structure, no gap is generated between the winding part and the spacer when a gap part is formed, and as a result, the winding is not shifted and the generated of quenching can be prevented.



LEGAL STATUS

[Date of request for examination]

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